SPONSORED RESEARCH FUNDING AT ALBERTA UNIVERSITIES

1989-90

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SPONSORED RESEARCH FUNDING AT ALBERTA UNIVERSITIES 1989-90

Highlights

1. During fiscal year 1989-90, more than $125 million was received by Alberta's two major research universities in direct external support of sponsored research.

2. The University of Alberta received almost $73 million in direct external funding for sponsored research in 1989-90, an increase of 10.7% over funding received in fiscal year 1988-89 ($65.9 million). Funding from provincial sources declined by just over 7%, while federal funding increased by almost 19.5%.

3. The University of Calgary received approximately $52.5 million in direct external funding for sponsored research in 1989-90, a decrease of approximately 11.6% over funding received in fiscal year 1988-89 ($59.4 million). Funding from provincial sources declined by just over 42%, while federal funding increased by 14.9%.

4. At the University of Alberta, approximately 42.2% of its sponsored research funding was derived from the federal granting councils (through peer-reviewed competition); at The University of Calgary, 38.3% was derived from federal granting councils.

5. During fiscal year 1989-90, the Alberta Heritage Foundation for Medical Research (AHFMR) provided approximately $13.6 and $12.8 million to the University of Alberta and The University of Calgary, respectively.

6. From business sources, the University of Alberta and The University of Calgary received approximately $3.9 and $4.8 million, respectively.

7. At both the University of Alberta and The University of Calgary, the lion's share of research funds was secured by the faculty of medicine (44.7% at the University of Alberta and 56.7% at The University of Calgary). At both universities, the faculty of science claimed the second largest proportion of funding (23.3% at the University of Alberta and 24.6% at The University of Calgary), followed by the engineering faculty (9.6% at the University of Alberta and 8.6% at The University of Calgary).

8. In fiscal year 1988-89 (the most recent year for which comparable data exists), the University of Alberta ranked 5th and The University of Calgary ranked 6th among selected Canadian research-intensive universities in the level of funding received for sponsored research.

[briefing/sponsore.ja12]

Table 1

Sponsored Research Fund Revenue
(In thousands of dollars)

Sources		Institution	1987-88 Total	1988-89 Total	1989-90 Total	
Governments:						
Federal	NSERC	Alberta	16,535	16,536	18,216	
		Calgary	9,519	9,129	10,024	
		Lethbridge	767	807	641	
	SSHRC	Alberta	1,072	1,272	1,010	
		Calgary	786	1,015	1,112	
		Lethbridge	149	163	146	
	MRC	Alberta	7,327	7,989	11,556	
		Calgary	6,468	7,889	8,940	
		Lethbridge	59	82	80	
	Other	Alberta	1,966	2,383	2,877	
		Calgary	2,093	2,532	3,551	
		Lethbridge	546	808	648	
	Subtotal	Alberta	26,900	28,180	33,659	
		Calgary	18,867	20,565	23,627	
		Lethbridge	1,521	1,860	1,515	
Alberta	AHFMR	Alberta	12,487	13,805	13,591	
		Calgary	14,443	13,431	12,758	
		Lethbridge	100	61	42	
	Other	Alberta	8,282	8,806	7,442	
		Calgary	3,130	12,681	2,349	
		Lethbridge	153	267	139	
	Subtotal	Alberta	20,769	22,611	21,013	
		Calgary	17,573	26,111	15,107	
		Lethbridge	253	328	181	
Other		Alberta	480	913	–	
		Calgary	783	762	729	
		Lethbridge	19	4	–	
Business:						
		Alberta	2,946	5,728	3,905	
		Calgary	4,462	3,891	4,828	
		Lethbridge	0	30	51	
Not for Profit:						
		Alberta	6,969	7,731	7,409	
		Calgary	5,691	8,029	7,684	
		Lethbridge	207	136	244	
Other:						
		Alberta	865	712	6,915	*
		Calgary	0	0	486	
		Lethbridge	70	61	67	
Total:						
		Alberta	58,929	65,875	72,901	
		Calgary	47,376	59,358	52,461	
		Lethbridge	2,070	2,419	2,058	

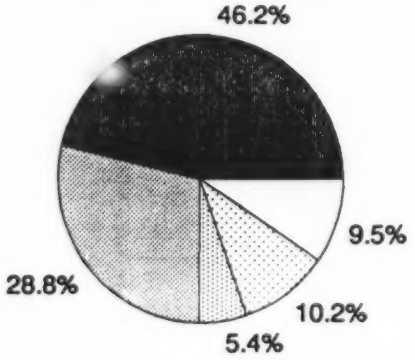
* Includes foreign and miscellaneous sources.

Sources: 1. Annual financial statements of each university.
2. The University of Lethbridge, Office of Research Services.
3. The University of Calgary, Office of the Controller.
4. The University of Alberta Data Book, 1989-90.

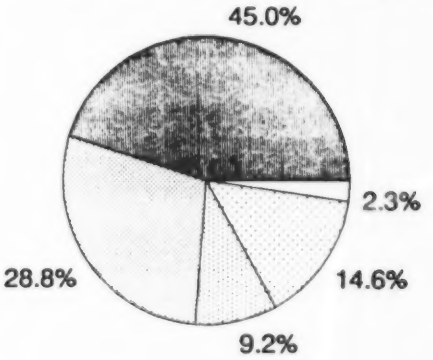
Figure 1

SPONSORED RESEARCH REVENUE BY SOURCE: 1989-90

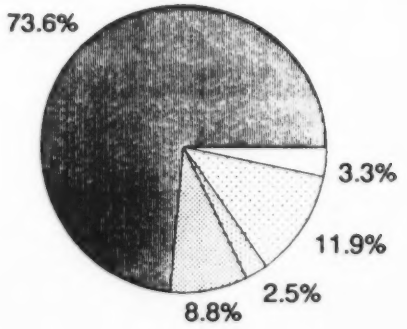
University of Alberta



The University of Calgary



The University of Lethbridge



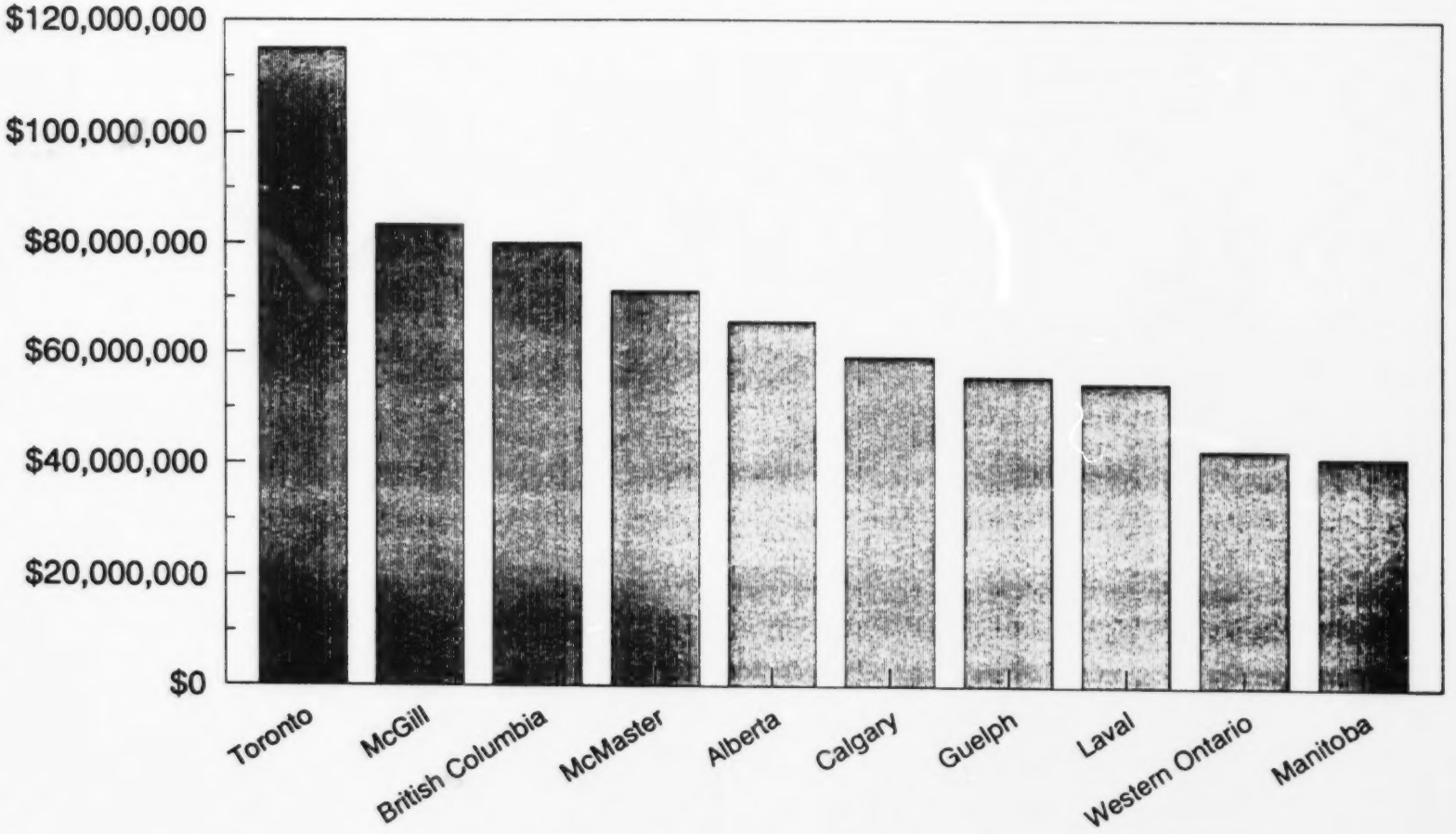
Federal | Provincial | Business | Not-For-Profit | Other

Notes: 1. "Other" includes foreign and miscellaneous sources.

2. Total percentages may not add to 100% due to rounding.

Figure 2

Sponsored Research Income for Selected Universities 1988-89



Source: Statistics Canada. Financial Statistics of Universities and Colleges 1988-89. Canadian Association of University Business Officers.

Table 2

Sponsored Research Income Distribution By Source For Selected Universities

1986-87

University	Federal %	Provincial %	Other %	Income [$000]	Rank
Toronto	52.9	18.8	28.3	$111,853	1
McGill	59.5	11.5	29.0	$72,260	2
British Columbia	68.9	8.1	22.9	$65,280	3
Alberta	**44.5**	**39.7**	**15.8**	**$57,189**	**4**
McMaster	45.2	17.8	37.0	$47,545	5
Calgary	**37.0**	**46.2**	**16.8**	**$46,006**	**6**
Guelph	37.5	51.0	11.5	$43,178	7
Laval	50.0	31.0	19.0	$42,900	8
Manitoba	60.7	11.5	27.8	$35,844	9
Western Ontario	60.1	5.5	34.4	$32,537	10

1987-88

University	Federal %	Provincial %	Other %	Income [$000]	Rank
Toronto	59.8	6.6	33.6	$103,283	1
McGill	60.2	11.6	28.2	$76,322	2
British Columbia	67.7	8.5	23.8	$71,511	3
Alberta	**46.0**	**35.5**	**18.5**	**$58,494**	**4**
McMaster	44.1	17.1	38.8	$55,000	5
Laval	46.1	31.8	22.1	$50,375	6
Guelph	34.5	54.1	11.4	$47,658	7
Calgary	**39.8**	**37.1**	**23.1**	**$47,376**	**8**
Manitoba	59.0	9.8	21.2	$37,391	9
Western Ontario	61.7	10.8	27.5	$37,255	10

1988-89

University	Federal %	Provincial %	Other %	Income [$000]	Rank
Toronto	56.7	7.4	36.0	$115,081	1
McGill	59.2	11.1	29.6	$83,491	2
British Columbia	64.0	11.0	25.0	$80,147	3
McMaster	39.0	24.7	36.3	$71,231	4
Alberta	**42.8**	**34.3**	**22.9**	**$65,875**	**5**
Calgary	**34.7**	**44.0**	**21.4**	**$59,358**	**6**
Guelph	33.02	56.3	10.7	$55,743	7
Laval	45.6	30.3	24.1	$54,605	8
Western Ontario	60.1	4.4	35.5	$42,620	9
Manitoba	59.7	8.2	32.2	$41,346	10

Source: Statistics Canada. Financial Statistics of Universities and Colleges 1986-87, 1987-88 and 1988-89. Canadian Association of University Business Officers.

Table 3

Percentage Change in Sponsored Research Funding
By Source at Selected Universities
($000's)

		1986-87	1987-88		1988-89		1989-90	
University	Source	$	$	%	$	%	$	%
Alberta	Federal	25,452	26,900	5.69%	28,180	4.76%	33,659	19.44%
	Provincial	22,695	20,769	-8.49%	22,611	8.87%	21,013	-7.07%
	Total*	57,478	58,929	2.52%	65,875	11.79%	72,901	10.67%
Calgary	Federal	17,039	18,867	10.73%	20,565	9.00%	23,627	14.89%
	Provincial	21,263	17,573	-17.35%	26,111	48.59%	15,107	-42.14%
	Total*	46,006	47,376	2.98%	59,358	25.29%	52,461	-11.62%
UBC	Federal	44,990	48,414	7.61%	51,327	6.02%	not available	
	Provincial	5,314	6,099	14.77%	8,825	44.70%	"	"
	Total*	65,280	71,511	9.55%	80,147	12.08%	"	"
Toronto	Federal	59,124	61,759	4.46%	65,201	5.57%	"	"
	Provincial	21,072	6,781	-67.82%	8,469	24.89%	"	"
	Total*	111,853	103,283	-7.66%	115,081	11.42%	"	"
Western Ont	Federal	19,541	23,003	17.72%	25,597	11.28%	"	"
	Provincial	1,777	4,009	125.60%	1,881	-53.08%	"	"
	Total*	32,357	37,255	15.14%	42,620	14.40%	"	"
Manitoba	Federal	21,770	22,068	1.37%	24,669	11.79%	"	"
	Provincial	4,108	3,654	-11.05%	3,377	-7.58%	"	"
	Total*	35,844	37,391	4.32%	41,346	10.58%	"	"

Sources:

1. Statistics Canada. Financial Statistics of Universities and Colleges 1987-88 and 1988-89. Canadian Association of University Business Officers.
2. 1988-89 Detailed financial statements from the Universities of Alberta and Calgary.
3. The University of Calgary, Office of the Controller.
4. The University of Alberta Data Book, 1989-90.

*Figures do not add as "Total" includes other sources such as donations, other governments, investment income and business sources.

Table 4

Percentage Distribution of Total Sponsored Research Expenditures

University of Alberta

	1987-88	1988-89	1989-90
Faculty			
Agriculture & Forestry	9.5%	10.0%	8.8%
Arts	2.6%	2.6%	2.4%
Business	0.5%	0.7%	0.7%
Dentistry	1.2%	0.9%	1.1%
Education	0.6%	0.7%	0.9%
Engineering	10.3%	9.5%	9.6%
Home Economics	1.6%	1.1%	1.1%
Interdisciplinary Research Units	0.8%	0.6%	0.4%
Law	0.3%	0.2%	0.2%
Library & Information Studies	*	*	*
Medicine	40.7%	43.6%	44.7%
Native Studies	0.1%	0.1%	0.1%
Nursing	0.4%	0.2%	0.7%
Pharmacy & Pharmaceutical Sciences	2.8%	2.5%	2.1%
Physical Education & Recreation Administration	0.2%	0.1%	0.3%
Rehabilitation Medicine	0.3%	0.6%	0.5%
Faculte Saint-Jean	*	0.1%	0.2%
Science	24.7%	23.0%	23.3%
Subtotal	96.6%	96.8%	97.2%
Support			
Faculty Support	1.6%	0.8%	*
Library	0.1%	0.1%	0.1%
Student Services	*	0.4%	*
Public Services	*	*	*
Subtotal	1.7%	1.4%	0.1%
Administration			
Subtotal	0.7%	0.7%	1.8%
Agencies			
Subtotal	*	*	*
Non-departmentalized Accounts			
Subtotal	1.0%	1.1%	0.9%
Total University			
	100.0%	100.0%	100.0%

* less than .05%

Source: University of Alberta Data Books.

Table 5

Percentage Distribution of Total Estimated Sponsored Research Expenditures

The University of Calgary

	1987-88	1988-89	1989-90
Faculty			
Education	0.6%	0.5%	0.9%
Engineering	8.3%	8.2%	8.6%
Environmental Design	0.3%	0.3%	0.3%
Fine Arts	0.1%	0.1%	0.1%
General Studies	0.2%	0.4%	0.5%
Graduate Studies	*	*	*
Humanities	0.5%	0.5%	0.5%
Law	0.1%	0.1%	0.1%
Management	0.4%	0.4%	0.4%
Medicine	54.4%	56.5%	56.7%
Nursing	0.2%	0.3%	0.2%
Physical Education	0.9%	1.0%	1.0%
Science	24.7%	24.6%	24.6%
Social Sciences	3.7%	3.4%	3.8%
Social Work	0.3%	0.5%	0.5%
Subtotal	94.7%	96.7%	98.2%
Non-faculty			
Subtotal	5.3%	3.3%	1.8%
Total University			
	100.0%	100.0%	100.0%

* less than .05%

Source: The University of Cagary Controller's Office

Table 6

Percentage Distribution of Total Sponsored Research Expenditures

The University of Lethbridge

	1987-88		1988-89		1989-90	
Faculty						
Arts & Science						
Arts	29.7%		32.6%		32.4%	
Science	24.5%		23.4%		27.4%	
Combined		54.2%		56.0%		59.8%
Education		35.3%		30.6%		14.3%
Fine Arts		0.1%		0.4%		0.2%
Management		4.2%		8.5%		23.7%
Nursing		2.5%		1.2%		0.2%
Subtotal		96.4%		96.6%		98.2%
Support						
Archives		0.1%		0.0%		0.0%
Art Gallery		0.9%		0.9%		0.5%
Continuing Education		1.6%		1.1%		0.1%
Library		0.1%		0.4%		0.9%
Subtotal		2.7%		2.5%		1.5%
Administration						
Subtotal		0.8%		0.9%		0.2%
Total University						
		100.0%		100.0%		100.0%

Source: The University of Lethbridge. Office of Research Services.

Notes: 1. Percentages may not add up to 100% due to rounding.

2. Arts includes: Anthropology, Economics, English, History, Modern Languages, Native American Studies, Philosophy, Political Science, Psychology, Religious Studies and Sociology.

3. Science includes: Biology, Chemistry, Geography, Mathematics and Physics.